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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY	Hungary	REPORT NO.	[ ]
SUBJECT	Transformer Station in Vác	DATE DISTR.	15 September 1953
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1. The Vác transformer station in Hungary, on which work was largely completed by 1 November 1952, is located on the road at a point about 600 meters north of the Vác-Verőce railroad junction. It is situated at a junction between the main road and a secondary road leading off to the east. (See Annex A for the location of the transformer station.)

2. Along the main road is the combination office building and distribution house of the Vác transformer station. Its foundation is made of concrete and brick; the walls of the four-meter-deep basement are specially insulated with asphalt, covered with double insulating sheets. The basement ceiling is made of reinforced concrete 85 cm. thick and has two 40 x 40 cm. openings, probably for circuit routings. Spiral steps lead to a door which is reinforced with a 20 mm. steel plate. The office part of the building complex consists of five offices on the first floor and three offices on the second floor. On the ground floor there is one office with windows facing the east and the north; two rooms have windows facing the north; one office has windows facing the north and the west and another has windows facing the west.

3. The distribution house has four rooms along its eastern side; there are seven windows which are 1.60 x 1.40 m., barred, and framed in soft wood; each window has eight panes. There are two exits; a french door 200 x 180 cm. large leading into the office building, and one on the south side which is 110 x 180 cm. large. On the west side of the distribution house are three rooms and seven windows and one exit. The windows are identical with those on the east side. The floor is made of concrete and the walls, so-called "Rabitz" walls, are about 20 cm. thick. They are made of double wire net set into a wooden mould filled with concrete. The doors are made of thin sheet iron, secured with a simple lock, and have indicator lights of aluminum.

Room #6 - This room has three switches (allegedly oil switches) which are mounted on blocks about 30 cm. high. The circuits lead through housings to a room on the second floor.

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(Note: Washington Distribution Approved For Release 2005/07/28 : CIA-RDP80-00810A002200270033-2

Room #7 - This is the assembly workshop and is equipped with assembly benches, electric motors and hand tools. There are ceiling lights and ventilators.

Room #8 - Depot for reserve material and spare parts.

Room #9 - Entrance room with stairs to the second floor.

Room #10 - This room is equipped with mounted electric motors of high capacity from which powerful circuits lead to the second floor.

Room #11 - Was empty at the end of 1952.

Room #12 - Switch room with two switches mounted on cement blocks and circuits leading to the second floor.

4. On the second floor of the distribution house is a large room with pillars to support the roof. In the middle are "Rabitz" wall cells with 22 switches. The circuits enter the room from the distribution yard through openings in the wall on the east side of the distribution yard. This room has eight windows and on the south side a door which opens out onto a small balcony.

5. The distribution yard has 72 reinforced concrete poles which are sunk 160 cm. deep in cement blocks. These poles are nine meters high and 46 x 72 cm. in cross section. On top of the poles are beams 42 x 42 cm.; these beams have iron studs from which hang porcelain insulators. There are aluminum coils of 30 - 40 turns which are attached to each of the three insulators between each pole. The coils are 1.50 m. apart. Above the transformers are branch circuits mounted on the same kind of coils. There are three transformers set on five by three meter concrete blocks which are two meters deep. These transformers are made in Hungary and weigh about 4,000 kg. each. There are 12 smaller transformers mounted in groups of three. Between the transformers are partitions two meters high and 30 cm. thick; one is a brick wall covered with concrete. Between each row of transformers is a macadam path leading to the Vac-Balassagyarmat main road. (See Annex C depicting the distribution yard.)

6. The sketch of the distribution yard shows the long distance lines leading to the Vác transformer plant:

L 1) comes supposedly from Bánhida and crosses the Danube about one kilometer south of Vac, runs along the east side of the city and enters the distribution yard on the east side.

L 2) comes from the north. These lines come from the direction east of Szendehely, Hungary.[2]

L 3) comes from the direction of Miskolc.[3]

Five long-distance lines are set on the poles, three above and two below. The lines are attached to the poles in the distribution yard and then lead up to the switch house. From the switch house the current is sent into the transformers and then back again into the switch house.

7. Most of the equipment for the transformer station came from the Ganz Electrical Equipment Factory; part supposedly came from Czechoslovakia. The Hungarian firm Vertes set up the switch house and the transformers; 18 assemblers from Czechoslovakia participated in this work.

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1. [redacted]

2. [redacted]

25X1 1. [redacted] Comment: This wire net is probably comparable to the American 10-12 pound mesh.

25X1 2. [redacted] Comment: Probably from the Silesian industrial area in Poland.

25X1 3. [redacted] Comment: It is assumed that this circuit comes from the Matra power station.

Annexes: (A) Location of the Vác Transformer Station

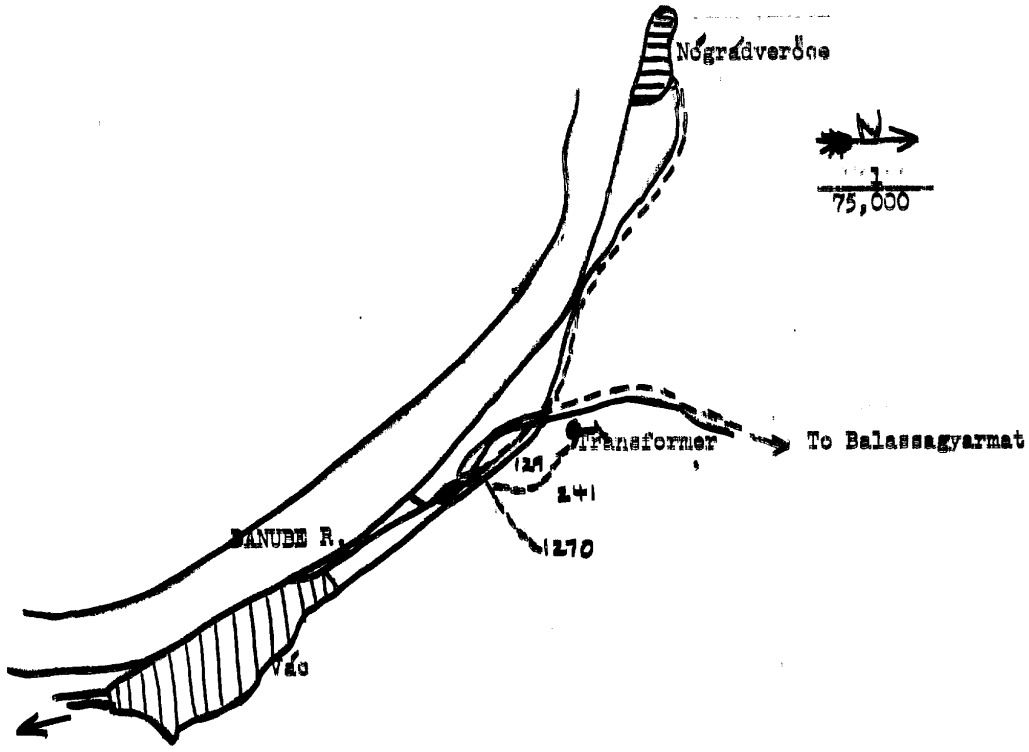
(B) First Floor of the Office-Distribution Building.

(C) Distribution Yard (with Legend).

Enclosure: 1 envelope containing original report on the transformer at Vác and the cement works at Nagyszáll (3 pages) (ORR)

Annex A: - 4 -

Location of Vác Transformer Station



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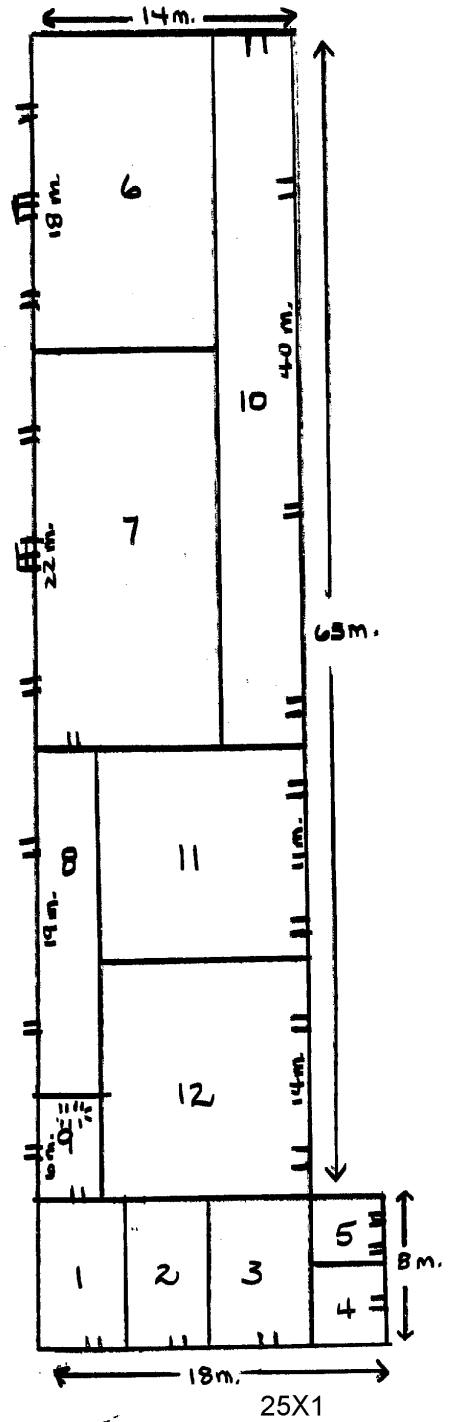
Annex B:

First Floor of the Office-Distribution Building at the Vác Transformer Station



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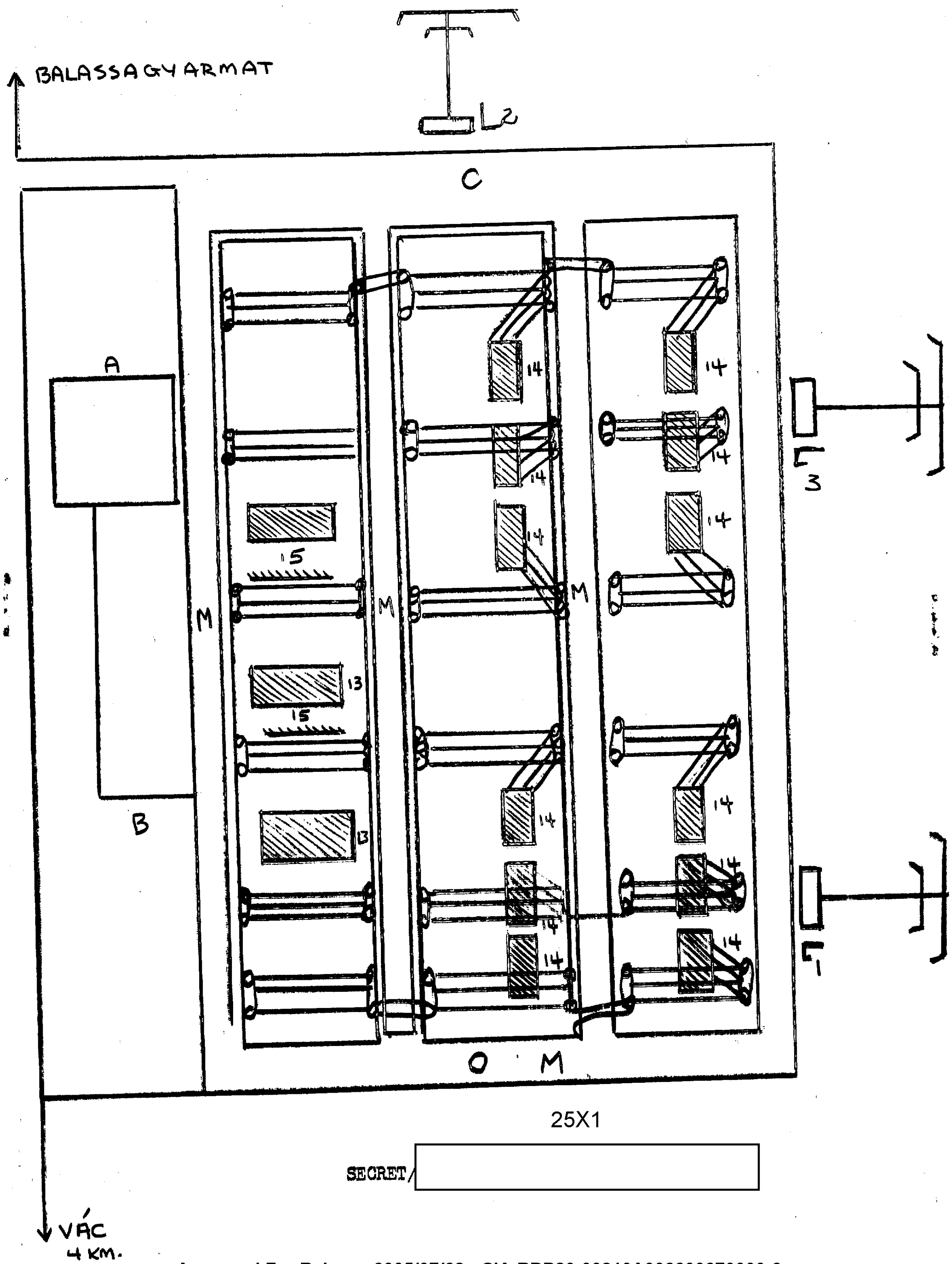
Annex C:

Distribution Yard of Vác
Transformer Station



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Annex C: - 7 -

Legend for Distribution Yard of Vac Transformer Station

A - Office building
B - Distribution house
C - Distribution yard
O - Poles
M - Macadam paths
13 - Large transformers
14 - Small transformers
15 - Partition walls